Amendments to th Claims:

This listing of claims replaces all prior versions and listings of the claims in the present patent application.

Listing of Claims

1. (Currently Amended) A method for managing resources in a multiprocessor data processing system, said method comprising the steps of:

defining to multiprocessors in said data processing system at least one type of resource, together with a quantity associated with that type of resource, said quantity being indicative of resource capacity, said type of resource having a level being selected from the group consisting of hardware level resources, operating system level resources and application level resources;

determining whether an application level a user has requested use of said at least one resource;

determining availability among said multiple processors of said requested resource as to type and quantity; and

dispatching a user job which requests said resource upon the condition that said resource is available in the type and quantity requested.

2. (Currently Amended) The method of claim 1 in which said hardware level includes resources are selected from the group consisting of CPUs and random access memory.

- 3 -

3. (Currently Amended) The method of claim 1 in which said operating system level resource <u>includes</u> ~~is~~ virtual memory.

4. (Currently Amended) A method for providing a user with control of a data processing system <u>having multiple processors</u>, said method comprising the steps of:

analyzing user supplied command statements which provide access to resources having internal resource models, said resource models including, for each resource, a <u>level</u> ~~type~~ and a quantity description, wherein at least one resource model is defined consistently <u>among said multiple processors</u> ~~across multiple data processing system levels,~~ <u>said level being selected from the group consisting of hardware level, operating system level and application level</u>; and

interpreting said command statements so that user jobs are scheduled to run and to use resources specified by said command statements.